US-PAT-NO: 6167274

DOCUMENT-IDENTIFIER: US 6167274 A

TITLE: Method for locating a mobile station

----- KWIC -----

Detailed Description Text - DETX (9):

A database for use in the  $\underline{\text{location}}$  operation can be generated with this idea

in mind. FIG. 4 illustrates a sample  $\underline{\text{cell}}$  area where there are six roads or

<u>routes</u> shown (41 to 46) that are normally traversed by mobile stations. Each

"X" marks a geographic <u>location</u> on one of the roads at which measurements can

be made with respect to the signals coming from neighboring cells. A network

operator could collect this data during a normal course of drive testing along

these roads within a <u>cell</u>. This would mean placing a call on a phone connected

to a personal computer (PC) which gathers mobile assisted <code>hand-off</code> or mobile

assisted channel allocation information. The computer would also have a global

position system (GPS) card to collect latitude and longitude
information to

geographically fix the information. The collection equipment could be

automated and placed in taxi cabs, delivery vehicles, buses, or other vehicles

which commonly traverse the **cell**.

Detailed Description Text - DETX (15): The searching operatio



US-PAT-NO:

6507569

DOCUMENT-IDENTIFIER:

US 6507569 B1

\*\*See image for Certificate of Correction\*\*

TITLE:

Dynamic control of cellular radio

communication system

resources

----- KWIC -----

Brief Summary Text - BSTX (11):

There may be included also the operations of producing a location

probability distribution function for specific users of the system so that

calls initially  $\underline{routed\ to\ those\ cells}$  where experience has shown that the

specific users are most likely to be. Also, the <a href="handover">handover</a> sequences for those

 $\underline{\text{cells}}$  can be recorded in the user profile data base so that they can be

initiated at the same time that a request for service is received by the base

transceiver station of the **cell** concerned